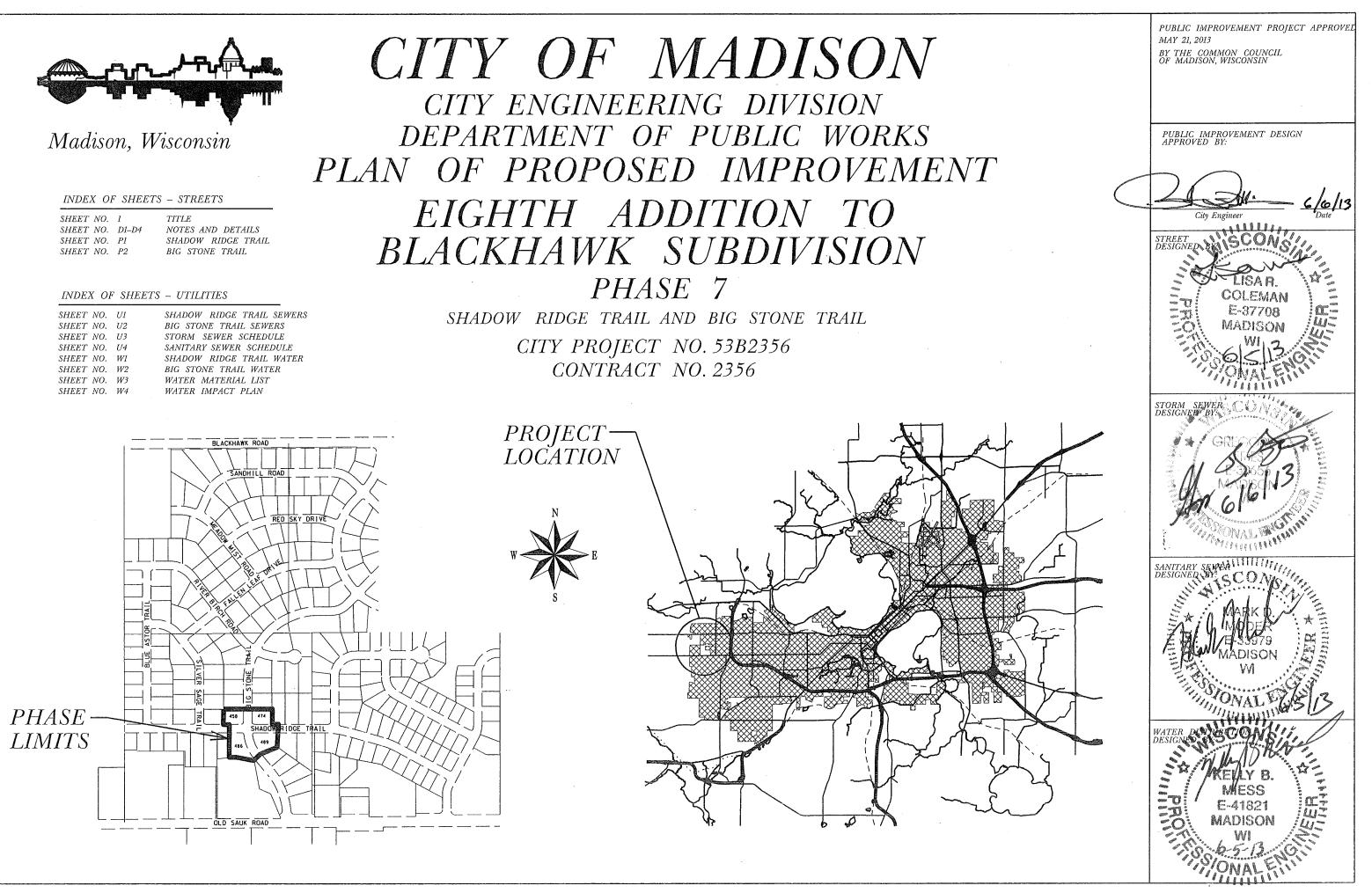


SHEET NO.	1	TITLE
SHEET NO.	D1–D4	NOTES AND DETAILS
SHEET NO.	P1	SHADOW RIDGE TRAIL
SHEET NO.	P2	BIG STONE TRAIL

CITY OF MADISON CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS EIGHTH ADDITION TO BLACKHAWK SUBDIVISION PHASE 7

CITY PROJECT NO. 53B2356



THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERING TO NOTIFICATION OF PROPERTY OCCUPANTS ANDOR OWNERS, HAS BEEN COMPLIED WITH. ALL PAVEMENT IN THE SHADOW RIDGE TRAIL RIGHT OF WAY TYPE "C", AND ALL PAVEMENT IN THE BIG STONE TRAIL RIGHT SHALL BE TYPE "A" PER STANDARD DETAIL DRAWING 4.02.

ALL ISLANDS SHALL HAVE TYPE "E" C & G PER S.D.D. 3.08 AN NOSES PER S.D.D. 3.13. ALL OTHER C & G SHALL BE TYPE "A" F

ISLAND INTERIORS SHALL BE OF SOD WHERE THE BACK TO BACURB DIMENSION IS GREATER THAN 6'.

UNDERDRAINS SHALL BE INSTALLED, PER STANDARD DETAIL DR. ON PAGE 2 OF THESE PLANS, FOR 75'ON EACH SIDE OF THE I POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDR WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADES OF 0.59 STORM SEWER INLETS.

PAVEMENT CROSS SLOPES SHALL BE 2%, TERRACES SHALL SLOPE AT A 4% GRADE TOWARD THE GUTTER, SHOULDERS SHALL HAW 4% CROSS SLOPE AND CROSS SLOPES FORMING DITCHES SHALL EXCEED 4.00:1 UNLESS OTHERWISE INDICATED.

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWAL RAMPS SHALL BE 2%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL S RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.03. AT OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHI IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOW. STORM SEWER INLETS. A 2 FOOT WIDE CONSRETE FLUME SHAL INSTALLED BETWEEN THE SIDEWALK AND THE BACK OF CURB SIDEWALK LOW POINTS WHICH CANNOT OTHERWISE BE DRAIN TO THE GUTTER. SIDE SLOPES WITHIN TEN FEET OF A PUBL SIDEWALK SHALL NOT EXCEED 4.00:1. THE DESIGN OF SIDEWAL ELEVATIONS AND GRADES IS NOT INCLUDED IN THIS PLAN. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHA BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

OBTAIN A PRINT OUT OF THE ALIGNMENT FROM THE CITY EN PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE FACE OF CURI OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE T CURB (OR EXTENDED TOP OF CURB FOR DRIVEWAYS OR RAMPS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FA CURB OR EDGE OF SIDEWALK.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHIC ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS F IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

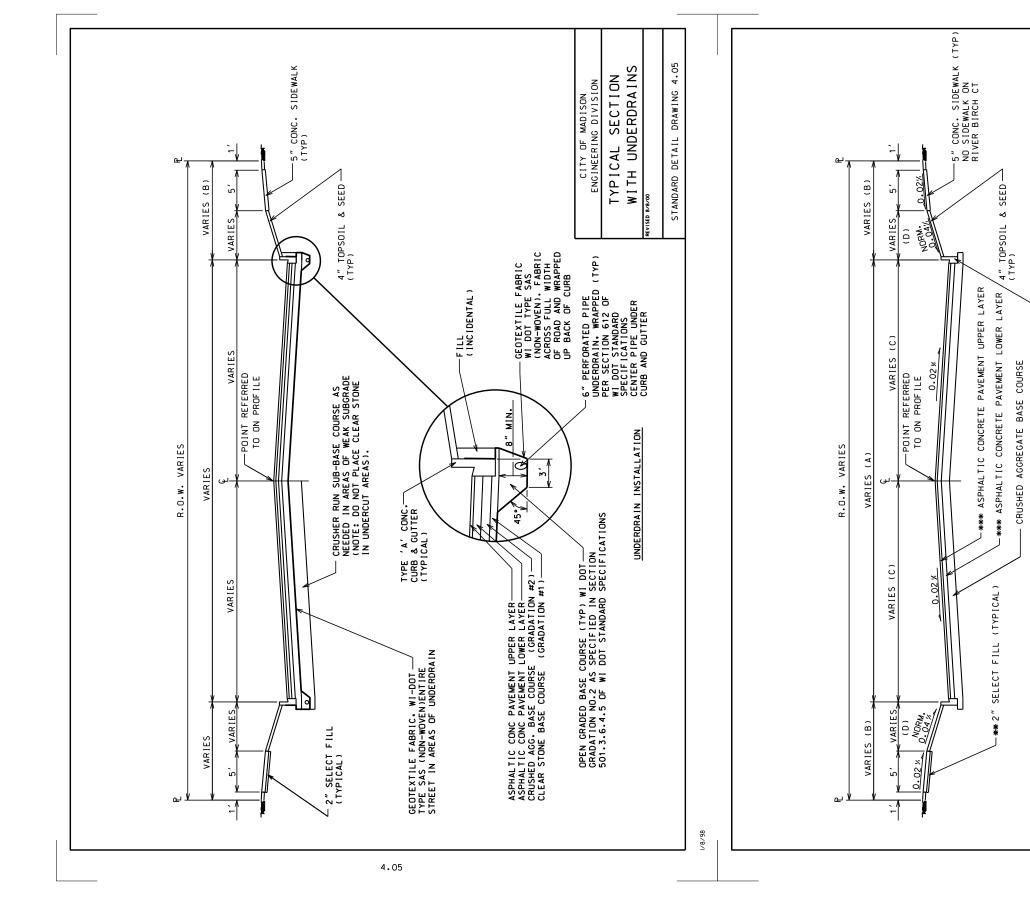
ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRE. BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO

	8TH ADD. TO BLACKHA PROJECT NO. 53B	WK PH.7 2356	SHEET NO. D-I
SHALL BE	DETA		
T OF WAY	STANDARD NOTES	IL J	
	AND COMMENTS	CITY OF	F MADISON
VD MOUNTABLE PER S.D.D. 3.06.			
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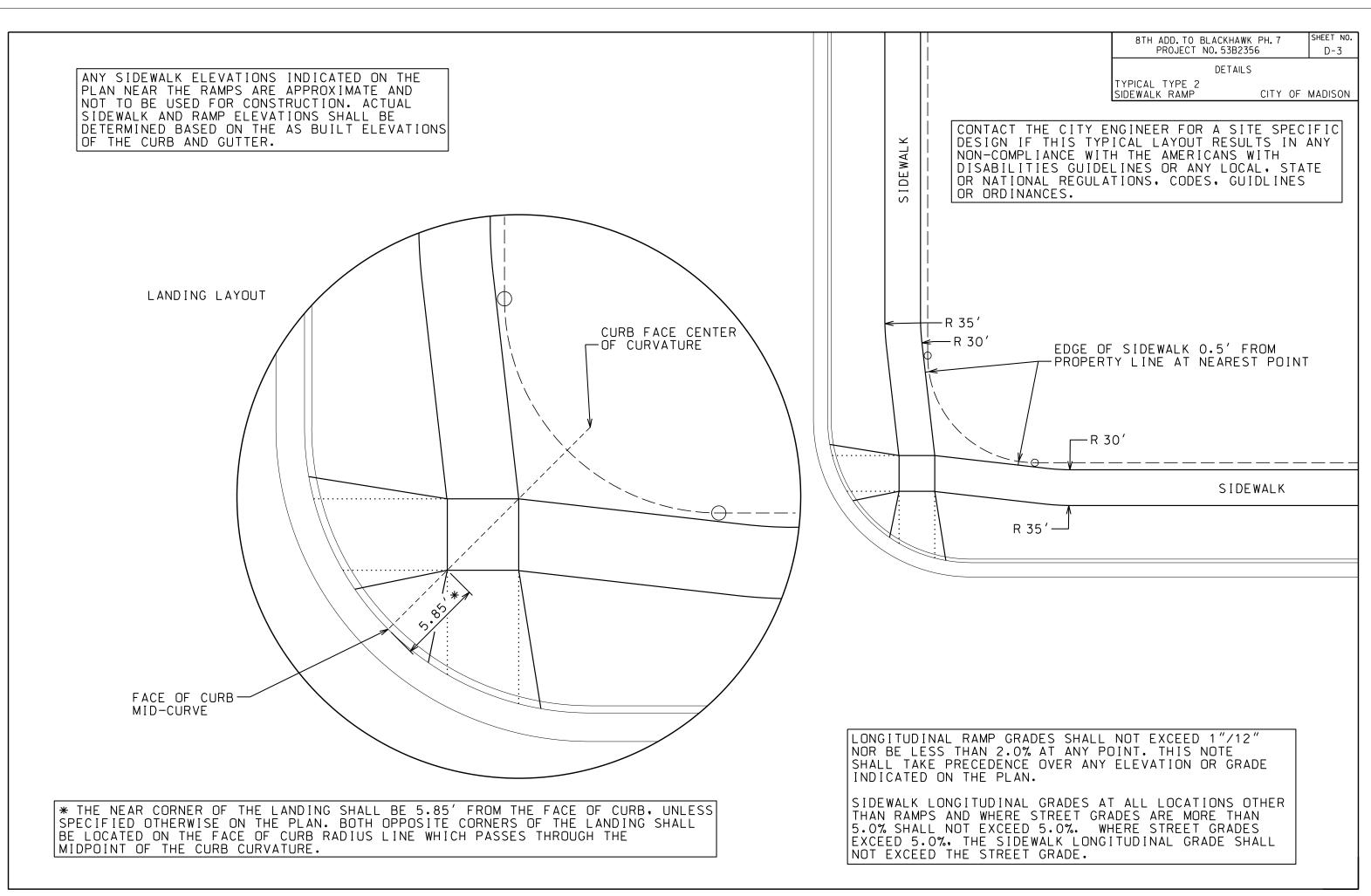
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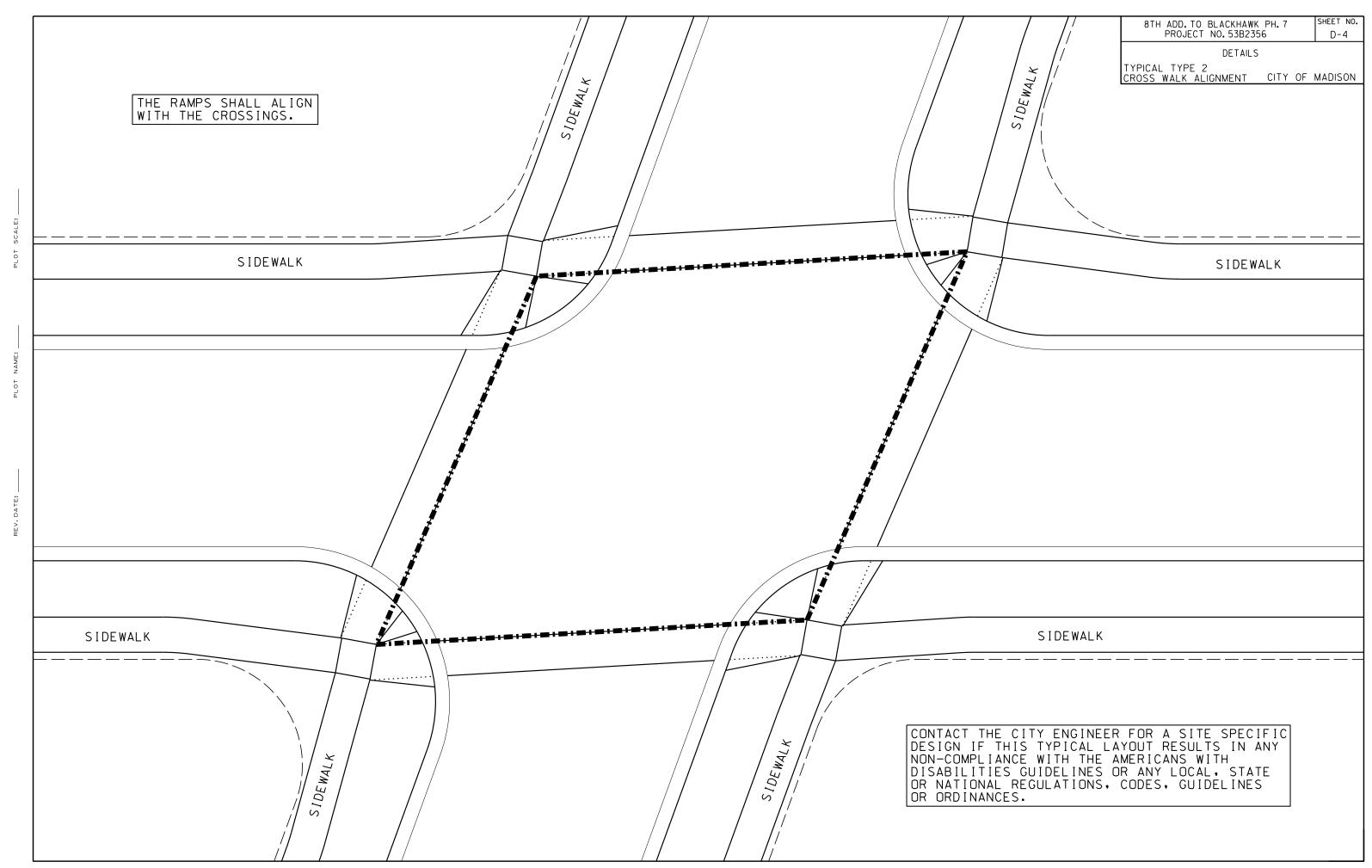
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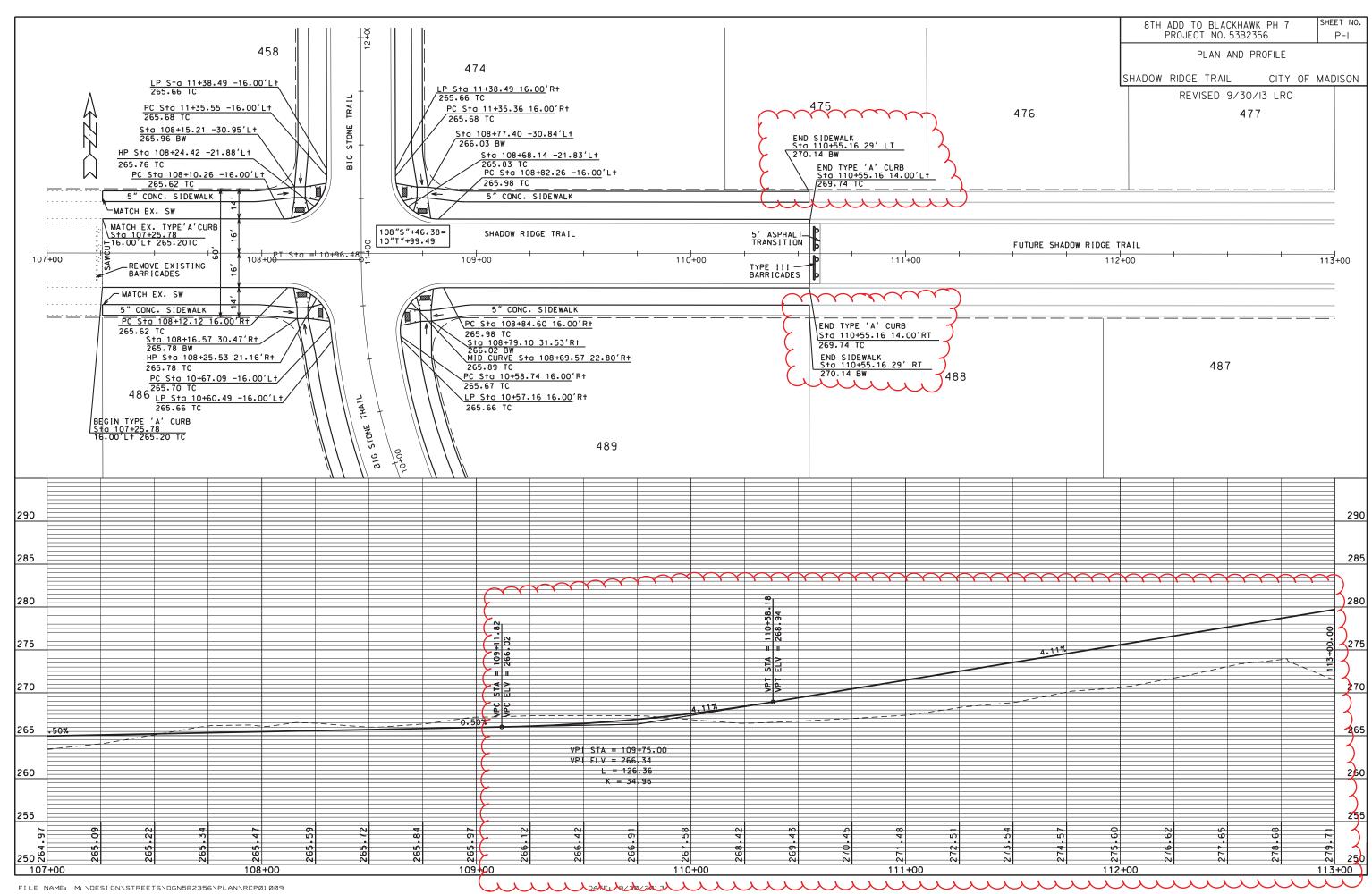
				8TH A F	ADD.1 PROJE	0 E CT	BLAC NO.5	КНА 53В	WK 235	Р 56	H. 7	7	SF	ieet D-	NO. 2
			5.D.I	D.4.0)2 &	4.0		ΕΤΑ	ILS	C	۲I	ſ OF	M.	ADIS	SON
(түр.)	TYPICAL DIMENSIONS	<u>W. A B C C 32 14 16 - </u>	15 18 13 20	44 18 54 13	SEE PLAN SHEETS FOR STREET AND RIGHT-OF-WAY DIMENSIONS		CITY OF MADISON ENCINEERING DIVISION	TYPICA SECTION				STANDARD DETAIL DRAWING 4.02			
TYPE 'A' CONC. CURB & GUTTER (TYP.) NOTES:	<pre>* A PAVEMENT DESIGN IN ACCORDANCE WITH STANDARD DETAIL DRAWING 4.06 IS REOUIRED ON ALL PROJECTS</pre>	**3" OF CRUSHED AGGREGATE BASE COURSE GRADATION 3 SHALL BE PLACED UNDER THE SIDEWALK WHERE THE	CENTERLINE GRADE OF THE STREET EXCEEDS 5%	**** ALL UPPER LAYER PAVEMENTS ARE 12.5 mm: LOWER LAYER PAVEMENT IS 12.5 mm FOR TYPE A & 19 mm FOR TYPES B & C		* CITY OF MADISON MINIMUM PAVEMENT DESIGN	CRUSHED AGGREGATE BASE COURSE ASPHALTIC CONCRETE PAVEMENT TYPE I OWED I AVED I IDDED I AVED I IDDED I AVED	CRADATION 1 CRADATION 2 TYPE THICKNESS TY	A 6" 4" E-0.3 1.75" E-0.3 1.5 "	B 6" 4" E-1 2.5" E-1 1.75"	C 6″ 4″ E-3 3.50″ E-3 1.75 ″				

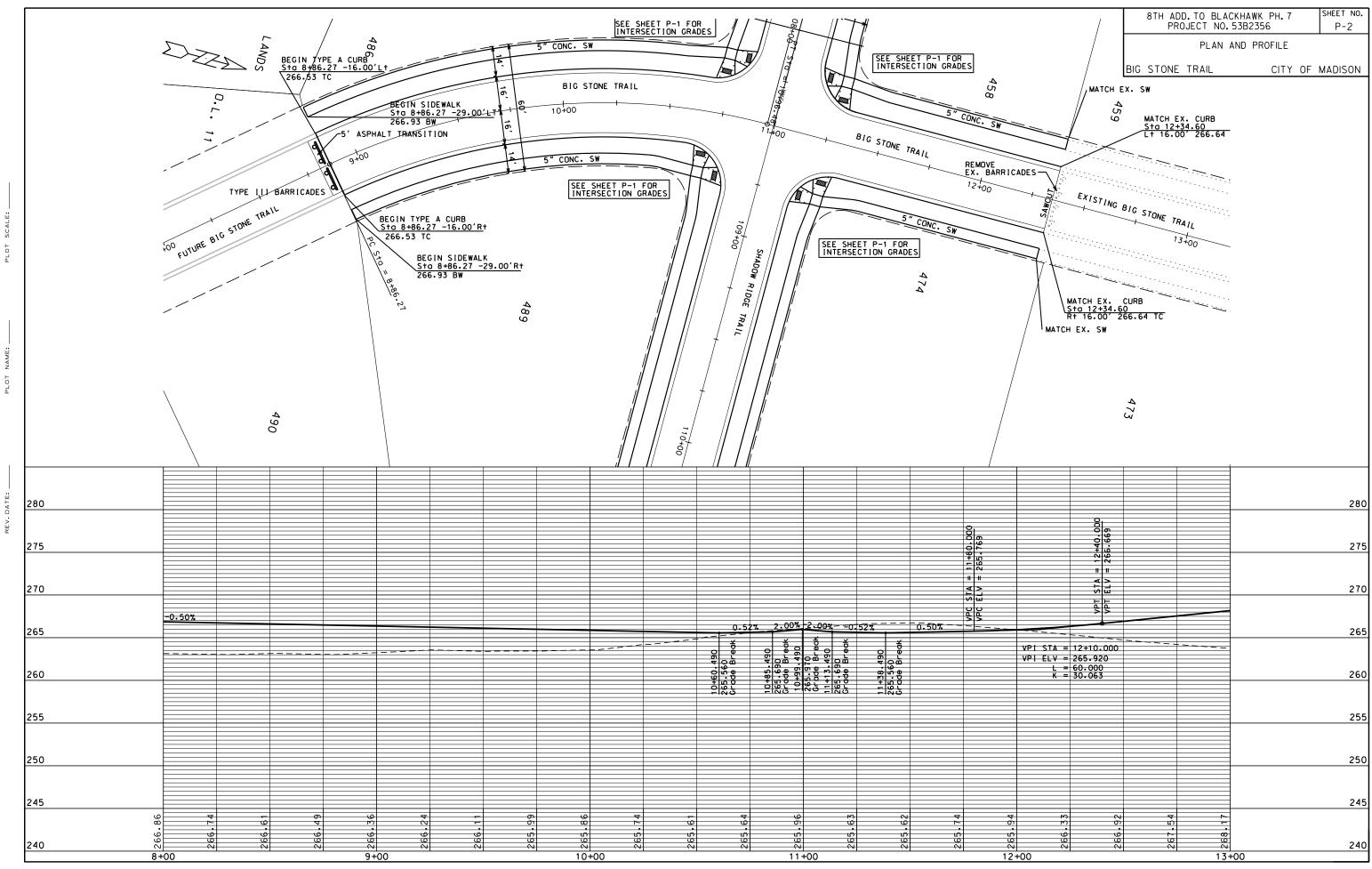
4.02





<u>VISION</u>

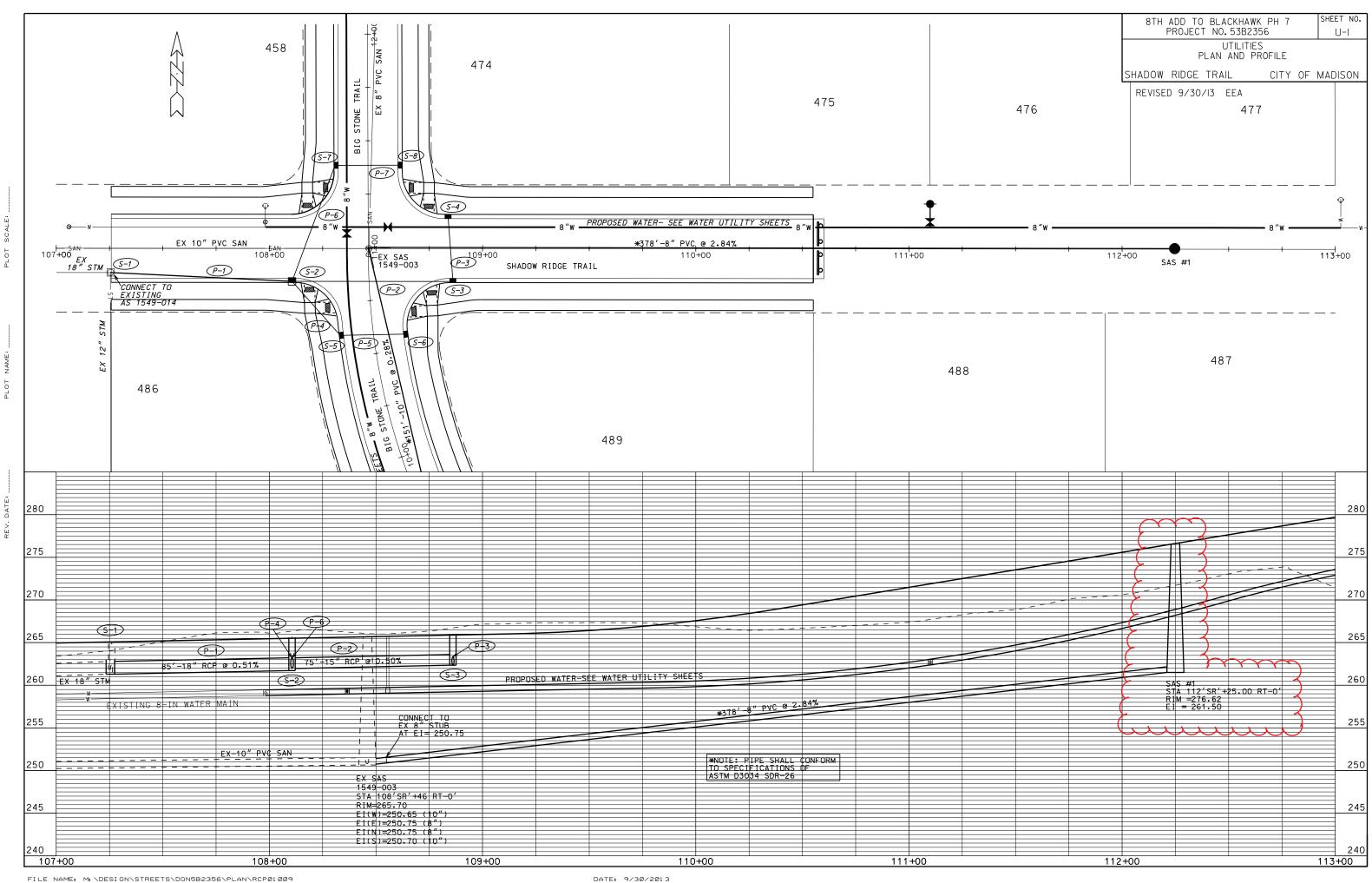


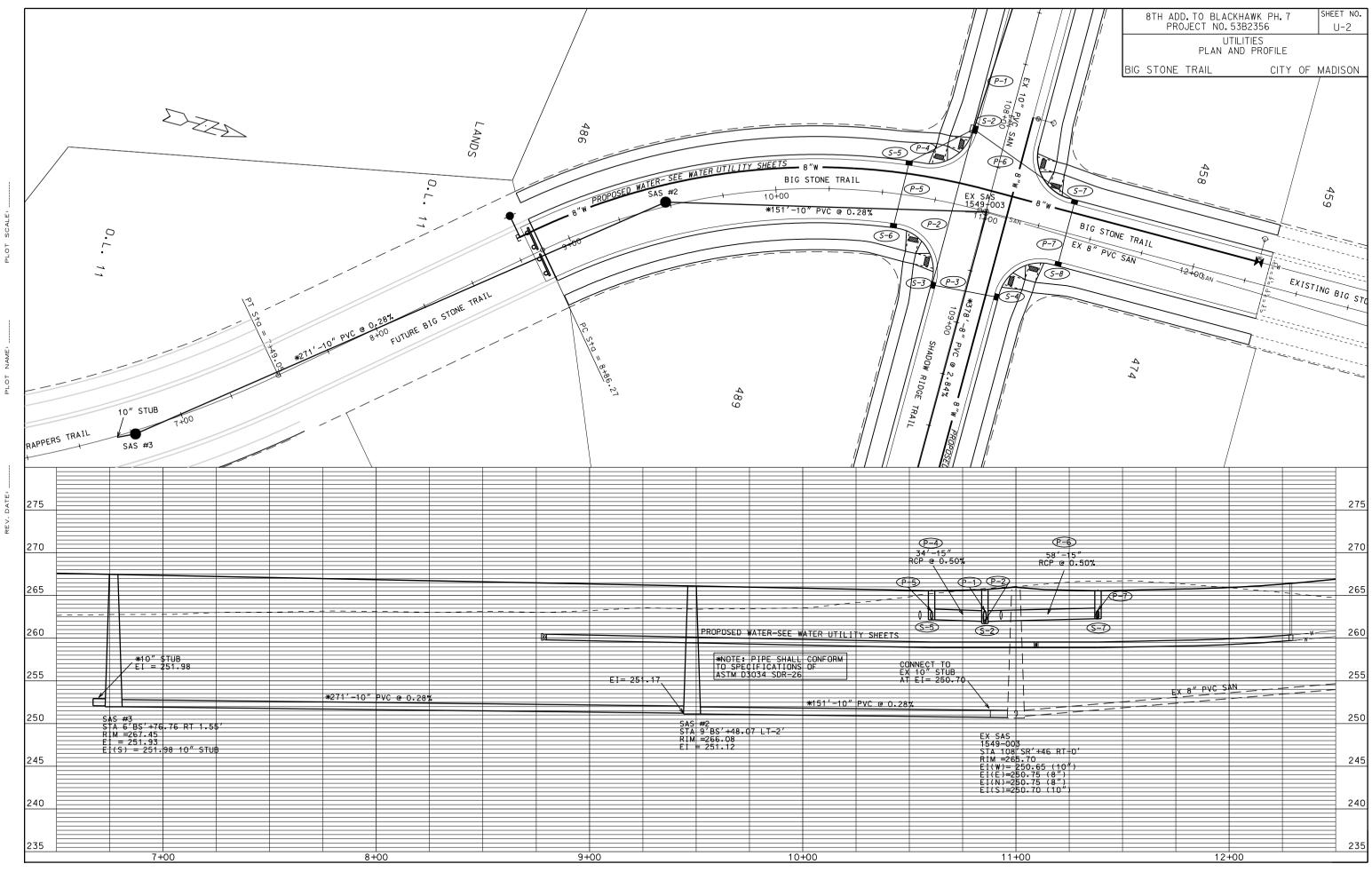


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STORM SEWER SCHEDULE

ALIGNMENT CODES:

"BS"= BIG STONE TRAIL "SR"=SHADOW RIDGE TRAIL

STRUCTURES

	<u></u>							<u> v</u>					
STRUC.	STATION	LOCATION	TYPE	TOP OF	E.I.	DEPTH	H NOTES	PIPE	FROM	то	LGTH	DISCH.	INLET
NO.		(OFFSET)		CASTING				NO.	(DNSTM)	(UPSTM)	(FT)	E.I.	E.I.
S-1	107'SR'+25.35	RT-11.44	EX AS 1549-014	-	261.30	-	CONNECT TO EX STRUCTURE	P-1	S-1	S-2	85	261.30	261.73
S-2	108'SR'+10.62	RT-15.50	3X3 SAS	265.62	261.73	3.89	FP; W/ R-3067-7004-V	P-2	S-2	S-3	75	261.98	262.36
S-3	108'SR'+86.10	RT-15.50	H INLET	265.98	262.36	3.62	W/ R-3067-7004-V	P-3	S-3	S-4	31	262.36	262.52
S-4	108'SR'+82.26	LT-15.50	H INLET	265.98	262.52	3.46	W/ R-3067-7004-V	P-4	S-2	S-5	34	261.98	262.15
S-5	10'BS'+60.49	LT-15.50	H INLET	265.66	262.15	3.51	LP; W/ R-3067-7004	P-5	S-5	S-6	31	262.15	262.31
S-6	10'BS'+57.16	RT-15.50	H INLET	265.66	262.31	3.35	LP; W/ R-3067-7004	P-6	S-2	S-7	58	261.98	262.27
S-7	11'BS'+38.49	LT-15.50	H INLET	265.66	262.27	3.39	LP; W/ R-3067-7004	P-7	S-7	S-8	31	262.27	262.43
S-8	11'BS'+38.49	RT-15.50	H INLET	265.66	262.43	3.23	LP; W/ R-3067-7004						

SPECIFIC NOTES

STANDARD NOTES:

PIPES

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES - APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD. - TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED

CASTING FOR SAS's.

- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.

- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER. - ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608) 264-9275.

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DATE: 06/05/2013

8TH	ADDITION 1	TO BLACKH	AWK PH	7	SHEET NO.
	PROJEC	T NO. 53B2	356		U-3
STORM SE	CITY O	F MADISON			
SLOPE	PIPE	TYPE	NOTES		
(%)	SIZE				
0.51%	18"	RCP	-		
0.50%	15"	RCP	-		
0.50%	12"	RCP	NCM		
0.50%	15"	RCP	-		
0.50%	12"	RCP	NCM		
0.50%	15"	RCP	-		
0.50%	12"	RCP	NCM		

SANITARY SCHEDULE

ALIGNMENT CODES:

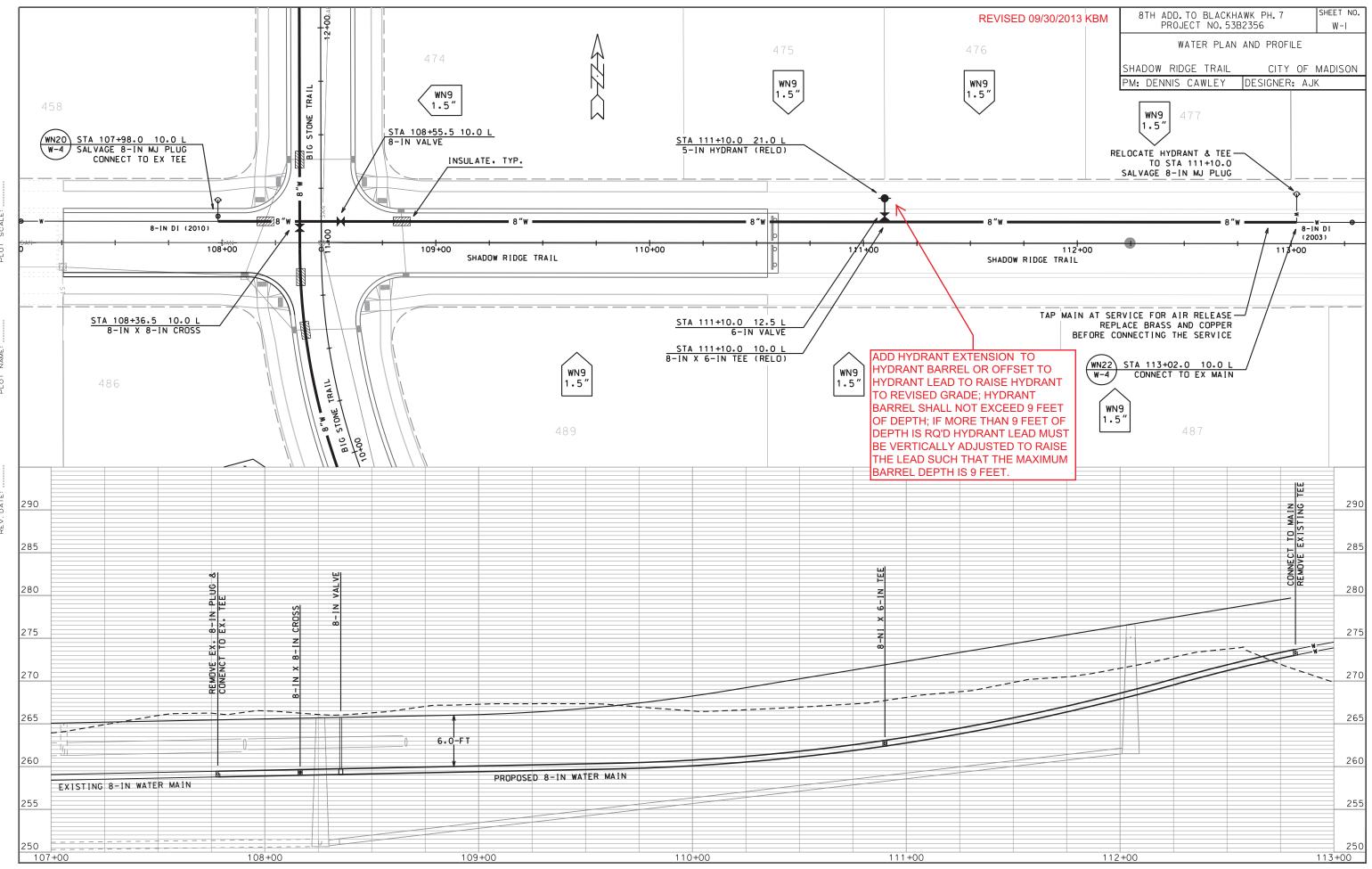
"BS"= BIG STONE TRAIL "SR"=SHADOW RIDGE TRAIL

PROPOSED SANITARY STRUCTURES							PRO	PROPOSED SANITARY PIPES						
SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES	FROM		TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (LIDSTRM)	LENGTH (FT)	SLOPE (%)	
SAS#1	112'SR'+25.00		275.10	261.50	13.60		Ŷ	,	SAS#1	250.75	261.50	378	2.84%	
SAS#2	9'BS'+48.07	LT-2.00	266.08	251.12	14.96	-	EX SAS	S 1549-003	SAS#2		251.12	151	0.28%	
SAS#3	6'BS'+76.76	RT-1.55	267.45	251.93	15.52	-	SAS#2	2	SAS#3	251.17	251.93	271	0.28%	

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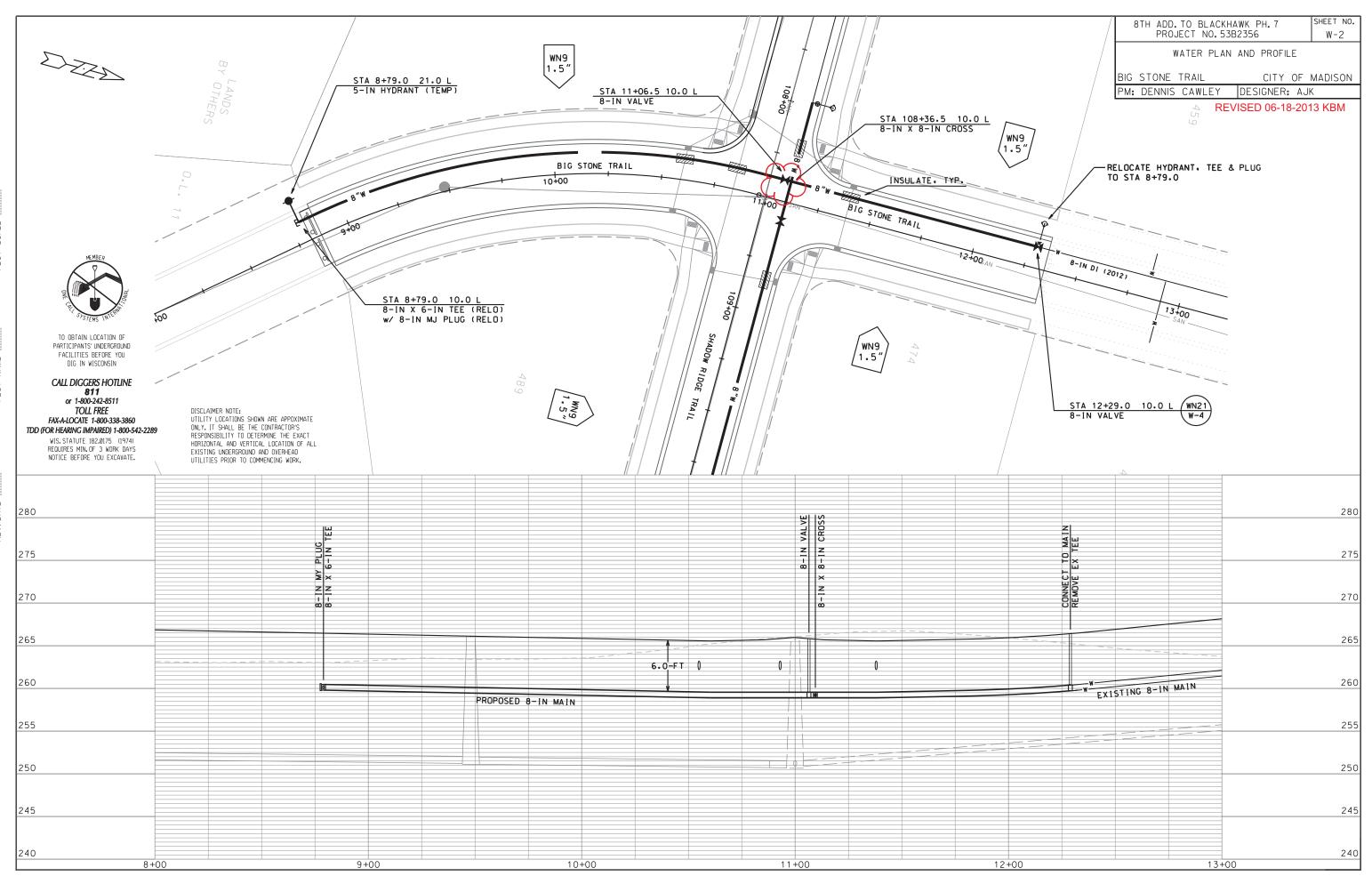
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87	TH ADDITION TO B PROJECT NO		SHEET NO. U-4	
	FROJECTING		0-4	
SANITARY	SEWER SCHEDU	LE	CITY	OF MADISON
SIZE	PVC	NOTES		
(DIA)	TYPE			
8"	SDR-26	-		
10"	SDR-26	-		
10"	SDR-26	-		



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DATE: 9/30/2013

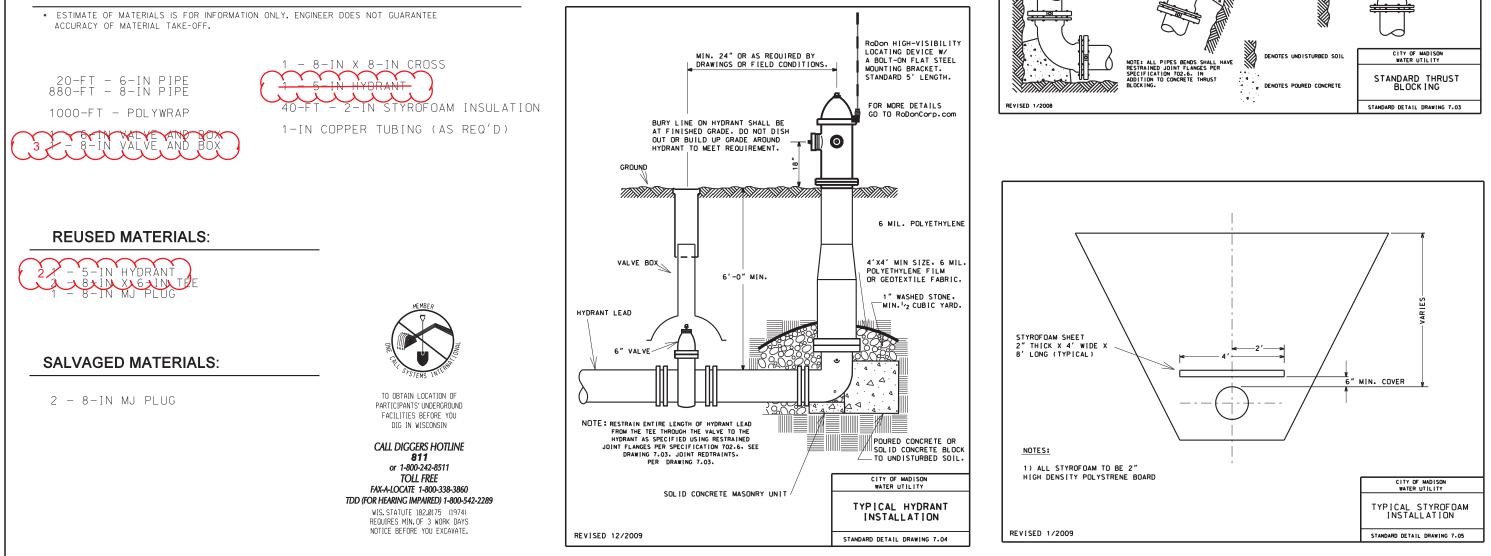


CONSTRUCTION NOTES:

- CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
- 2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
- MINIMIZE DISTRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
- 4. EXISTING WATER MAIN SHALL REMAIN IN SERVICE UNTIL NEW WATER MAIN IS TESTED AND ACCEPTED BY MADISON WATER UTILITY AND ALL SERVICES ARE RECONNECTED.
- 5. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN2O+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTFICATION INFORMATION.

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:



REQUIRED BEARING AREA PER MASTER SPECIFICATIONS SECTION 703.

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RIGINATOR:

